

PET: 15 O WATER LITERATURES
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Tab #	Primary Author	Title	Journal	Year Published	Volume	Pages
1.	Andreasen NC	Sample size and statistical power in [15O]H ₂ O studies of human cognition	J Cereb Blood Flow Metab	1996	16(5)	804-16
2.	Andreasen NC	Neural substrates of facial recognition	J Neuro-Psychiatry Clin Neurosci	1996	8(2)	139-46
3.	Andreasen NC	Remembering the past: two facets of episodic memory explored with positron emission tomography	Am J Psychiatry	1995	152(11)	1576-85
4.	Andreasen NC	Short-term and long-term verbal memory: a positron emission tomography study	Proc Natl Acad Sci USA	1995	92(11)	5111-5
5.	Andreasen NC	I. PET studies of memory: novel and practiced free recall of complex narratives	Neuroimage	1995	2(4)	284-95
6.	Araujo LI	Noninvasive quantification of regional myocardial blood flow in coronary artery disease with oxygen-15-labeled carbon dioxide inhalation and positron emission tomography	Circulation	1991	83(3)	875-85
7.	Archer DP	Measurement of cerebral blood flow and volume with positron emission tomography during isoflurane administration in the hypocapnic baboon.	Anesthesiology	1990	72(6)	1031-7
8.	Argenyi EE	Follow-up of treatment of a cerebral arteriovenous malformation with acetazolamide and positron emission tomography	Clin Nucl Med	1995	20(7)	639-41
9.	Arndt S	A comparison of approaches to the statistical analysis of [15O]H ₂ O PET cognitive activation studies	J Neuropsychiatry Clin Neurosci	1995	7(2)	155-68
10.	Barranco D	Use of 19F NMR spectroscopy for measurement of cerebral blood flow: a comparative study using	J Cereb Blood Flow Metab	1989	9(6)	886-91

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		microspheres				
11.	Baumann SB	Comparison of functional magnetic resonance imaging with positron emission tomography and magnetoencephalography to identify the motor cortex in a patient with an arteriovenous malformation	J Image Guided Surg	1995	1(4)	191-7
12.	Beanlands R	Positron emission tomography in cardiovascular disease.	Can J Cardiol	1996	12(10)	875-83
13.	Becker JT	Compensatory reallocation of brain resources supporting verbal episodic memory in Alzheimer's disease.	Neurology	1996	46	692-700
14.	Bednarczyk EM	Hyperventilation-induced reduction in cerebral blood flow: assessment by positron emission tomography	DICP	1990	24(5)	456-60
15.	Bergmann SR	Noninvasive quantitation of myocardial blood flow in human subjects with oxygen-15-labeled water and positron emission tomography.	J Am Coll Cardiol	1989	14(3)	639-52
16.	Bigler RE	Compartmental analysis of the steady-state distribution of $^{15}\text{O}_2$ and H_2^{15}O in total body	J Nucl Med	1981	22(11)	959-65
17.	Bittar RG	Cortical motor and somatosensory representation: effect of cerebral lesions	J Neurosurg	2000	92	242-248
18.	Bittar RG	Localization of somatosensory function by using positron emission tomography scanning: a comparison with intraoperative cortical stimulation	J Neurosurg	1999	90	478-483
19.	Bittar RG	Presurgical motor and somatosensory cortex mapping with functional magnetic resonance imaging and positron emission tomography	J Neurosurg	1999	91(6)	915-21

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20.	Blin J	Cholinergic neurotransmission has different effects on cerebral glucose consumption and blood flow in young normals, aged normals, and Alzheimer's disease patients.	Neuroimage	1997	6	335-43
21.	Bookheimer SY	A direct comparison of PET activation and electrocortical stimulation mapping for language localization	Neurology	1997	48(4)	1056-65
22.	Braun AR	Altered patterns of cerebral activity during speech and language production in developmental stuttering	Brain	1997	120	761-84
23.	Breier JI	Effects of duration of epilepsy on the uncoupling of metabolism and blood flow in complex partial seizures	Neurology	1997	48(4)	1047-53
24.	Brooks DJ	Studies on regional cerebral haematocrit and blood flow in patients with cerebral tumors using positron emission tomography	Microvasc Res	1986	31(3)	267-76
25.	Brooks DJ	Regional cerebral oxygen utilization, blood flow, and blood volume in benign intracranial hypertension studied by positron emission tomography	Neurology	1985	35(7)	1030-4
26.	Buchan RJ	Regional correlations between the EEG and oxygen metabolism in dementia of Alzheimer's type.	Electroencephalography Clin Neurophysiology	1997	103	409-17
27.	Burchert W	Oxygen-15-water PET assessment of muscular blood flow in peripheral vascular disease	J Nucl Med	1996	37	93-8
28.	Carpenter DA	Cerebral oxygen metabolism after aneurysmal subarachnoid hemorrhage	J Cereb Blood Flow Met	1991 (suppl)	11(5)	837-44
29.	Ceballos	A positron emission tomographic study of	Arch Neurology	1999	56(8)	997-

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	Baumann AO	subthalamic nucleus stimulation in Parkinson disease				1003
30.	Chen TC	Complex technical methodologies and their applications in the surgery of intracranial meningiomas	Neurusur Clinics North America	1994	5(2)	261-81
31.	Chmielowska J	Positron emission tomography [15O]Water studies with short interscan interval for single-subject and group analysis: influence of background subtraction	J Cerebral Blood Flow Metab	1998	18(4)	433-43
32.	Cohen RM	Opiate receptor avidity and cerebral blood flow in Alzheimer's disease	J Neurological Sci	1997	148	171-80
33.	Cohen RM	The ratio mesial to neocortical temporal lobe blood flow as a predictor of dementia	J Am Geriatr Soc	1997	45	329-33
34.	Damian MS	Follow-up in carriers of the 'MELAS' mutation without strokes	Europ Neuro	1998	39(1)	9-15
35.	De Reuck J	Positron emission tomography studies of changes in cerebral blood flow and oxygen metabolism in arteriovenous malformation of the brain.	Europ Neuro	1989	29(5)	294-7
36.	Depairon M	The quantitation of blood flow/metabolism coupling at rest and after exercise in peripheral arterial insufficiency, using PET and 15-O labeled tracers	Angiology	1996	47	991-9
37.	Derdeyn CP	Increased oxygen extraction fraction is associated with prior ischemic events in patients with carotid occlusion	Stroke	1998	29(4)	754-8
38.	Deussen A	Modeling 15O oxygen tracer data for estimating oxygen consumption	Am J Physiol	1996	270(39)	H1115-H1130

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Tab #	Primary Author	Title	Journal	Year Published	Volume	Pages
39.	Duncan CC	Cerebral blood flow determinations by positron emission tomography	J Neurosurg Sci	1982	25(4)	225-32
40.	Duncan DB	Heterogeneity of cerebral hemodynamics and metabolism in carotid artery disease	J Nucl Med	1996	37	429-32
41.	Duncan DB	Regional cerebral blood flow and metabolism in Sturge-Weber disease.	Clin Nucl Med	1995	20(6)	522-3
42.	Duncan JD	Use of positron emission tomography for presurgical localization of eloquent brain areas in children with seizures	Ped Neurosur	1997	26(3)	144-56
43.	Dymarkowski S	Functional MRI of the brain: localization of eloquent cortex in focal brain lesion therapy	Eur Radiol	1998	8(9)	1573-80
44.	Eisner W	Intraoperative mapping of eloquent brain areas	Front Radiat Ther Oncol	1999	33	28-36
45.	Enblad P.	Simultaneous intracerebral micordialysis and positron emission tomography in the detection of ischemia in patients with subarachnoid hemorrhage.	J Cereb Blood Flow Met	1996	16(4)	637-44
46.	Fabrikant JI	Heavy charged-particle Bragg peak radiosurgery of intracranial vascular disorders	Rad Research	1985	8 (Supplement)	S244-58
47.	Fink GR	Effects of cerebral angiomas on perifocal and remote tissue: a multivariate positron emission tomography study	Stroke	1992	23(8)	1099-105
48.	Fox PT	A noninvasive approach to quantitative functional brain mapping with H ₂ O ¹⁵ and positron emission tomography	J Cerebral Blood Flow Metab	1984	4(3)	329-33
49.	Frackowiak RS	Functional neuroanatomy of the human brain: positron emission tomography-a new	J Anat	1994	184(Pt.2)	211-25

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		neuroanatomical technique.				
50.	Fried I	Functional MR and ET imaging of rolandic and visual cortices for neurosurgical planning	J Neurosurg	1995	83	854-861
51.	Fujita H	Cerebral [15O] water clearance in humans determined by positron emission tomography: II. Vascular responses to vibrotactile stimulation	J Cereb Blood Flow Metab	1997	17(1)	73-9
52.	Gaillard WD	The noninvasive identification of language function. Neuroimaging and rapid transcranial magnetic stimulation.	Neurosurg Clin N Am	1997	8(3)	321-35
53.	Gaillard WD	Effect of valproate on cerebral metabolism and blood flow: an 18F-2-deoxyglucose and 15O water positron emission tomography study	Epilepsia	1996	37(6)	515-21
54.	Gaillard Wd	Interictal metabolism and blood flow are uncoupled in temporal lobe cortex of patients with complex partial epilepsy	Neurology	1995	45(10)	1841-7
55.	Gambhir SS	A study of the single compartment tracer kinetic model for the measurement of local cerebral blood flow using 15O-water and positron emission tomography	J Cereb Blood Flow Metab	1987	7(1)	13-20
56.	George MS	Gender differences in regional cerebral blood flow during transient self-induced sadness or happiness	Biol Psychiatry	1996	40(9)	859-71
57.	Gilman S	A comparison of cerebral blood flow and glucose metabolism in olivopontocerebellar atrophy using PET	Neurology	1995	45	1345-52
58.	Ginsberg MD	33 rd Annual meeting program of the American Academy of neurology	Neurology	1981	31 (4 Pt 2)	131
59.	Gjedde A.	Pathophysiology of human brain after stroke,	Exp Patho	1991	42(4)	221-7

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		in cats				
69.	Heiss WD	Repeat positron emission tomographic studies in transient middle cerebral artery occlusion in cats: residual perfusion and efficacy of postischemic reperfusion	J Cereb Blood Flow Met	1997	17(4)	388-400
70.	Heiss WD	Dynamic penumbra demonstrated by sequential multitracer PET after middle cerebral artery occlusion in cats	J Cereb Blood Flow Met	1994	14(6)	892-902
71.	Heiss WD	Progressive derangement of periinfarct viable tissue in ischemic stroke	J Cereb Blood Flow Met	1992	12(2)	193-203
72.	Henn W	Monosomy 1p is correlated with enhanced in vivo glucose metabolism in meningiomas	Cancer Gen Cytogen	1995	79(2)	144-8
73.	Henry TR	Functional neuroimaging with positron emission tomography	Epilepsia	1996	37(12)	1141-54
74.	Herbster AN	Functional connectivity in auditory-verbal short-term memory in Alzheimer's Disease	Neuroimage	1996	4	67-77
75.	Herholz K	Regional cerebral blood flow measurement with intravenous [¹⁵ O]water bolus and [¹⁸ F]fluoromethane inhalation.	Stroke	1989	20(9)	1174-81
76.	Hermann B	Visual confrontation naming outcome after standard left anterior temporal lobectomy with sparing versus resection of the superior temporal gyrus: a randomized prospective clinical trial	Epilepsia	1999	40(8)	1070-6
77.	Hermansen F	Measurement of myocardial blood flow with oxygen-15 labelled water: comparison of different administration protocols	Eur J Nucl Med	1998	25(7)	751-9
78.	Herscovitch	Radiotracer techniques for functional neuroimaging				

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		with positron emission tomography				
79.	Herscovitch P	Cerebellum circulation and its measurement by diffusible tracers	Elsevier's Encyclopedia of Neuroscience	1999	2 nd Ed	336-340
80.	Herscovitch P	Evaluation of the brain by positron emission tomography	Rheum Dis Clin North Am	1993	19(4)	765-94
81.	Herscovitch P	Brain blood flow measured with intravenous H ₂ (15)O. I. Theory and error analysis	J Nucl Med	1983	24(9)	782-9
82.	Herscovitch P	Function mapping of the human brain	The Brain			514-531
83.	Herscovitch P	Radiotracer techniques for functional neuroimaging with positron emission tomography	Functional neuroimaging			20-46
84.	Herzog H	Basic ideas and principles for quantifying regional blood flow with nuclear medical techniques	Nuklearmedizin	1996	35(5)	181-5
85.	Higano S	Evaluation of critically perfused area in acute ischemic stroke for therapeutic reperfusion: a clinical PET study	Ann Nucl Med	1993	7(3):	167-71
86.	Ho D	Rapid algorithms for the construction of cerebral blood flow and oxygen utilization images with oxygen-15 and dynamic positron emission tomography	Comput Methods Program Biomed	1999	58(2)	99-117
87.	Hock C	Decrease in parietal cerebral hemoglobin oxygenation during performance of a verbal fluency task in patients with Alzheimer's disease monitored by means of near-infrared spectroscopy (NIRS) – correlation with simultaneous rCBF-PET measurements	Brain Res	1997	755	293-303
88.	Hoffman JM	Perfusion quantitation using positron emission	Invest Radiol	1992	27	S22-6

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		tomography			Suppl 2	
89.	Holden JE	Direct comparison of single-scan autoradiographic with multiple-scan least-squares fitting approaches to PET CMRO ₂ estimation	J Cereb Blood Flow Metab	1988	8(5)	671-80
90.	Huang SC	Investigation of Kety-Schmidt single-compartment model for oxygen-15 water in cerebral blood flow measurements using positron emission tomography	J Nucl Med	1986	27(6)	913
91.	Huang SC	Quantitative measurement of myocardial blood flow with oxygen-15 water and positron computed tomography: An assessment of potential and problems	J Nucl Med	1985	26(6)	616-25
92.	Huang SC	Quantitative measurement of local cerebral blood flow in humans by positron computed tomography and ¹⁵ O-water.	J Cereb Blood Flow Metab	1983	3(2)	141-53
93.	Huber M.	Metabolic derangement in viable periinfarct tissue in the course of acute ischaemic infarction: a multitracer positron emission tomography (PET) study	Neuro Res	1992	14(2 suppl)	184-6
94.	Iida H	Myocardial blood flow: comparison of oxygen-15-water bolus injection, slow infusion and oxygen-15-carbon dioxide slow inhalation.	J Nucl Med	1995	36(1)	78-85
95.	Iida H	Rapid measurement of cerebral blood flow with positron emission tomography	Ciba Found Symp	1991	163	23-37
96.	Iida H	Measurement of absolute myocardial blood flow with H ₂ ¹⁵ O and dynamic positron-emission tomography. Strategy for quantification in relation to the partial-volume effect.	Circulation	1988	78(1)	104-15

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97.	Inao S	Neural activation of the brain with hemodynamic insufficiency	J Cerebral Blood Flow Metab	1998	18	960-7
98.	Ishii K	Paradoxical hippocampus perfusion in mild-to-moderate Alzheimer" Disease	J Nucl Med	1998	39(2)	293-8
99.	Ishii K	Demonstration of decreased posterior cingulate perfusion in mild Alzheimer's disease by means of H2-15O positron emission tomography	Eur J Nucl Med	1997	24(6)	670-3
100.	Ishii K	Decreased medial temporal oxygen metabolism in Alzheimer's disease shown by PET	J Nucl Med	1996	37(7)	1159-65
101.	Ishikawa M.	Regional cerebral blood flow and oxygen metabolism in normal pressure hydrocephalus after subarachnoid hemorrhage	ICP			
102.	Jack C	Sensory motor cortex: Correlation of presurgical mapping with function MR imaging and invasive cortical mapping	Neuroradiology	1994	190	85-92
103.	Jones SC	Cerebral blood flow with the continuous infusion of oxygen-15-labeled water	J Cereb Blood Flow Metab	1985	5(4)	566-75
104.	Juengling FD	Precise localization of dysfunctional areas in vertebro-basilar infarction by FDG-and O-15-H2O-PET using standardized image analysis and image registration to 3-D MR	Nuklearmedizin	1999	38(8)	341-4
105.	Kado H	Parapharyngeal meningioma extending from the intracranial space evaluated by FDG PET	J Nucl Med	1998	39(2)	302-4
106.	Kahn D	Positron emission tomographic measurement of bone marrow flow to the pelvis and lumbar vertebrae in young normal adults				
107.	Kanno I	Optimal scan time of oxygen-15-labeled water	J Nucl Med	1991	32(10)	1931-4

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		injection method for measurement of cerebral blood flow.				
108.	Kanno I	A system for cerebral blood flow measurement using an H215O autoradiographic method and positron emission tomography	J Cereb Blood Flow Metab	1987	7(2)	143-53
109.	Kaplan AM	Functional brain mapping using positron emission tomography scanning in preoperative neurosurgical planning for pediatric brain tumors	J Neurosurg	1999	91(5)	797-803
110.	Katano H	Measurement of regional cerebral blood flow with H2(15)O positron emission tomography during Matas test.	Acta Neurochir	1995	135(1-2)	70-7
111.	Katano H.	Measurement of regional cerebral blood flow with H2(15)O positron emission tomography during Matas test.	Acta Neurochirurgica	1995	135(1-2)	70-7
112.	Kawamura S.	Sequential changes in cerebral blood flow and metabolism in patients with subarachnoid haemorrhage	Acta Neurochirurgica	1992	114(1-2)	12-5
113.	Kety SS	The theory and applications of the exchange of inert gas at the lungs and tissues		1951	3	
114.	Kim JJ	Direct comparison of the neural substrates of recognition memory for words and faces	Brain	1999	122 (Pt 6)	1069-83
115.	Klinge P	PET and CBF studies of chronic hydrocephalus: a contribution to surgical indication and prognosis	J Neuroimaging	1998	8(4)	205-9
116.	Koeppe RA	Examination of assumptions for local cerebral blood flow studies in PET	J Nucl Med	1987	28(11)	1695-703
117.	Krings T	Functional magnetic resonance mapping of sensory motor cortex for image-guided neurosurgical	Acta Neurochir (Wien)	1998	140(3)	215-22

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		intervention				
118.	Kuwabara Y	PET evaluation of cerebral hemodynamics in occlusive cerebrovascular disease pre- and postsurgery	J Nucl Med	1998	39(5)	760-5
119.	Kuwabara Y	Cerebellar vascular response to acetazolamide in crossed cerebellar diaschisis: a comparison of 99m TcHMPAO single-photon emission tomography with 15O-H ₂ O positron emission tomography	Eur J Nucl Med	1996	23	683-9
120.	Kuwabara Y	Time dependency of the acetazolamide effect on cerebral hemodynamics in patients with chronic occlusive cerebral arteries: Early steal phenomenon demonstrated by [15O]H ₂ O positron emission tomography	Stroke	1995	26(10)	1825-9
121.	Kuwabara Y.	Response to hypercapnia in moyamoya disease. Cerebrovascular response to hypercapnia in pediatric and adult patients with moyamoya disease.	Stroke	1997	28(4)	701-7
122.	Lammertsma AA	In vivo measurement of regional cerebral haematocrit using positron emission tomography	J Cereb Blood Flow Metab	1984	4(3)	317-22
123.	Lassen NA	Human cerebral blood flow measured by two inert gas techniques. Comparison of the Kety-Schmidt method and the intra-arterial injection method	Circ Res	1966	19(4)	681-94
124.	Leblanc E	Functional PET scanning in peroperative assessment of cerebral arteriovenous malformations	Stereotactic Func Neurosurg	1995	65(1-4)	60-4
125.	Leblanc R	Language localization with activation positron emission tomography scanning	Neurosurgery	1992	31(2)	369-73
126.	Leblanc R	Functional PET scanning in the assessment of	J Neurosurg	1990	73(4)	615-9

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		cerebral arteiovenous malformations. Case report				
127.	Leblanc R.	Hemodynamic and metabolic effects of extracranial carotid disease	Can J Neuro Sci	1989	16(1)	51-7
128.	Legg NJ	Cerebral blood flow and other physiological variables measured by positron emission tomography	Br J Clin Pract Symp Suppl	1985	39	25-7
129.	Leiderman DB	Comparison of PET measurements of cerebral blood flow and glucose metabolism for the localization of human epileptic foci.	Epilep Res	11992	13(2)	153-7
130.	Li HH	Optimization of PET activation studies based on the SNR measured in the 3-D Hoffman brain phantom	IEEE Trans Med Imaging	1998	17(4)	596-605
131.	Luders HO	Recovery of function following lesions of eloquent brain areas	Adv Neurol	1997	73	335-46
132.	Madsen PL	Activation-induced resetting of cerebral oxygen and glucose uptake in the rat	J Cereb Blood Flow Metab	1998	18(7)	742-8
133.	Marchal G	PET imaging of cerebral perfusion and oxygen consumption in acute ischaemic stroke: relation to outcome	Lancet	1993	341(884 0)	925-7
134.	Martin CC	Effect of partition coefficient, permeability surface product, and radioisotope on the signal-to-noise ratio in PET functional brain mapping: a computer stimulation	Hum Brain Mapp	1999	7(3)	151-60
135.	Martin WR	Cerebral blood volume measured with inhaled C15O and positron emission tomography	J Cereb Blood Flow Metab	1987	7(4)	421-6
136.	Matthew E	Reproducibility of resting cerebral blood flow measurements with H2(15)O positron emission	J Cereb Blood Flow Metab	1993	13(5)	748-54

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		tomography in humans				
137.	Matthews JNS	Statistical method for the estimation of cerebral blood flow using the Kety-Schmidt technique	Clin Sci	1999	97	485-92
138.	Mentis MJ	Increasing required neural response to expose abnormal brain function in mild versus moderate or severe Alzheimer's Disease: PET study using parametric visual stimulation	Am J Psychiatry	1998	155(6)	785-94
139.	Mentis MJ	Visual cortical dysfunction in Alzheimer's Disease evaluated with a temporally graded "stress test" during PET	Am J Psychiatry	1996	153	32-40
140.	Meyer E	The requirement for constant arterial radioactivity in the C15O2 steady-state blood flow-flow model.	J Nucl Med	1984	25(4)	455-60
141.	Miller DD	Assessment of blood flow distal to coronary artery stenoses	Circulation	1996	94	2447-54
142.	Mintun MA	Quantitative measurement of regional pulmonary blood flow with positron emission tomography	J Appl Physiol	1986	60(1)	317-26
143.	Mintun MA	Brain oxygen utilization measured with O-15 radiotracers and positron emission tomography.	J Nucl Med	1984	25(2)	177-87
144.	Momose I	Effect of mastication on regional cerebral blood flow in humans examined by positron-emission tomography with 15O-labelled water and magnetic resonance imaging	Arch Oral Biol	1997	42(1)	57-61
145.	Nagata K	Misery perfusion with preserved vascular reactivity in Alzheimer's Disease	Ann New York Acad Sci	1997	826	272-81
146.	Nakane H.	Cerebral Blood flow and metabolism in patients with silent brain infarction: occult misery perfusion in the cerebral cortex	J Neuro	1998	65(3)	317-21

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147.	Narayana S	Construction of a whole body blood flow model for use in positron emission tomography imaging with [15O]water	J Pharmacokinet Biopharm	1997	25(5)	539-68
148.	Nariari T	Posthyperventilatory steal response in chronic cerebral hemodynamic stress: A positron emission tomography study	Stroke	1998	29	1281-92
149.	Nariari T	Vascular reserve in chronic cerebral ischemia measured by the acetazolamide challenge test: Comparison with positron emission tomography	AJNR	1995	16	563-70
150.	Neil JJ	Functional imaging of the central nervous system using magnetic resonance imaging and positron emission tomography	Curr Opin Neurol	1993	6(6)	927-33
151.	Nishizawa S.	Regional dynamics of N-isopropyl-(123I)p-iodoamphetamine in human brain.	J Nucl Med	1989	30(2)	150-6
152.	Nitzsche EU	Noninvasive quantification of myocardial blood flow in humans	Circulation	1996	93	2000-6
153.	Nitzsche EU	Quantification and parametric imaging of renal cortical blood flow <i>in vivo</i> based on Patlak graphical analysis	Kidney Int	1993	44(5)	985-96
154.	Nordberg A	Long-term tacrine treatment in three mild Alzheimer patients: Effects on nicotinic receptors, cerebral blood flow, glucose metabolism, EEG, and cognitive abilities.	Alzheimer Disease and Associated Disorders	1998	12(3)	228-37
155.	Nuttall GA	The relationship between cerebral blood flow and transcranial Doppler blood flow velocity during hypothermic cardiopulmonary bypass in adults	Anesth Analg	1996	82(6)	1146-51
156.	Nyberg G	Activation PET scanning in pretreatment evaluation	Acta	1996	138(6)	684-94

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		of patients with cerebral tumours or vascular lesions in or close to the sensorimotor cortex	Neurochirurgica			
157.	O'Leary DS	Auditory attentional deficits in patients with schizophrenia. A positron emission tomography study	Arch Gen Psychiatry	1996	53(7)	633-41
158.	Ohta S	Cerebral [15O]water clearance in humans determined by PET: I. Theory and normal values	J Cereb Blood Flow Metab	1996	16	765-80
159.	Ojemann	Cortical language localization in left dominant hemisphere. An electrical stimulation mapping investigation in 117 patients	J Neurosurg	1989	71	316-26
160.	Okazawa H	Delayed data acquisition for optimal PET activation studies with oxygen-15-water in cerebral arteriovenous malformation	J Nucl Med	1995	36	2149-53
161.	Oshita S	Cerebral circulatory and metabolic stimulation with nitrous oxide in the dog. Reconfirmation by the simultaneous measurement of cerebral blood flow using direct and Kety-Schmidt methods	Acta Anaesthesiol Scand	1979	23(2)	177-81
162.	Ostergaard L	Absolute cerebral blood flow and blood volume measured by magnetic resonance imaging bolus tracking: Comparison with positron emission tomography values	J Cereb Blood Flow Metab	1998	18(4)	425-32
163.	Ostergaard L	Cerebral blood flow measurements by magnetic resonance imaging bolus tracking: comparison with 15OH2O positron emission tomography in humans	J Cereb Blood Flow Metab	1998	18	935-40
164.	Pappata S.	PET study of changes in local brain hemodynamics and oxygen metabolism after unilateral middle	J Cereb Blood Flow Met	1993	13(3)	416-24

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		cerebral artery occlusion in baboons.				
165.	Paradiso S	Emotional activation of limbic circuitry in elderly normal subjects in a PET study	Am J Psychiatry	1997	154(3)	384-9
166.	Philips BJ	Cerebral blood flow and metabolism in patients with chronic liver disease undergoing orthotopic liver transplantation	Hepatology	1998	27(2)	369-76
167.	Pinard E	Rapid measurement of regional cerebral blood flow in the baboon using 15O-labelled water and dynamic positron emission tomography	Med Biol Eng Comput	1993	31(5)	495-502
168.	Pollard V	Cerebral blood flow during experimental endotoxemia in volunteers	Crit Care Med	1997	25(10)	1700-6
169.	Ponto LL	Uses and limitation of positron emission tomography in clinical pharmacokinetics/dynamics (Part I)	Clin Pharmacokinet	1992	22(3)	211-22
170.	Ponto LL	Uses and Limitations of Positron Emission Tomography in Clinical Pharmacokinetics (Part II)	Clin Pharmacokinet	1992	22(4)	274-283
171.	Ponto LL	Multiple linear regression modeling of furosemide renal clearance and urinary excretion rate	J Pharm Sci	1991	80(11)	1084-91
172.	Powars D	Cerebral Vasculopathy in sickle Cell Anemia: Diagnostic Contribution of Positron Emission Tomography	Blood	1999	93(1)	71-9
173.	Powers W	Blinded clinical evaluation of positron emission tomography for diagnosis of probable Alzheimer's disease	Neurology	1992	42	765-770
174.	Powers W	Technology assessment revisited: Does positron emission tomography have proven clinicalefficacy?	Neurology	1991	41	1339-1340
175.	Powers WJ	Influence of cerebral hemodynamics on stroke risk:	Ann Neuro	1989	25(4)	325-30

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		One-year follow up of 30 medically treated patients				
176.	Powers WJ	Radiation absorbed dose estimates for oxygen-15 radiopharmaceuticals ($H_2^{15}O$, $C^{15}O$, $O^{15}O$) in newborn infants.	J Nucl Med	1988	29(12)	1961-70
177.	Powers Wj	Regional cerebral blood flow and metabolism in reversible ischemia due to vasospasm. Determination by positron emission tomography.	J Neurosurg	1984	4(2)	140-9
178.	Pozzilli C	Positron emission tomography in minor ischemic stroke using oxygen-15 steady-state technique	J Cereb Blood Flow Metab	1987	7(2)	137-42
179.	Quarles RP	Measurement of regional cerebral blood flow with positron emission tomography: a comparison of [^{15}O]water to [^{11}C]butanol with distributed-parameter and compartmental models	J Cereb Blood Flow Metab	1993	13(5)	733-47
180.	Raichle ME	Brain blood flow measured with intravenous $H_2(15)O$. II. Implementation and validation.	J Nucl Med	1983	24(9)	790-8
181.	Raichle ME	Brain blood flow measured with intravenous $H_2(15)O$. II. Implementation and validation	J Nucl Med	1983	24(9)	790-8
182.	Raichle ME	Measurement of local cerebral blood flow and metabolism in man with positron emission tomography	Fed Proc	1981	40(8)	2331-4
183.	Raitakari M	Effects of insulin on blood flow and volume in skeletal muscle of patients with IDDM	Diabetes	1997	46	2017-32
184.	Reed W	Role of positron emission tomography in determining the extent of CNS ischemia in patients with sickle cell disease	Am J Hematol	1999	60(4)	268-72
185.	Rezai AR	Integration of functional brain mapping in image-guided neurosurgery	Acta Neurochir Suppl	1997	68	85-9

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186.	Ruotsalainen U	Quantitative blood flow measurement of skeletal muscle using oxygen-15-water and PET	J Nucl Med	1997	38	314-9
187.	Ruotsalainen U	Quantitative blood flow measurement of skeletal muscle using oxygen-15-water and PET	J Nucl Med	1997	38	314-9
188.	Russell RW	A Flow limited simulation model of isotopic water dilution	J Anim Sci	1987	64	1010-1018
189.	Sadato N	Frequency-dependent changes of regional cerebral blood flow during finger movements: functional MRI compared to PET	J Cereb Blood Flow Metab	1997	17(6)	670-9
190.	Sadato N	Optimal dose of injection in activation study with O-15 water and PET	Ann Nucl Med	1994	8(4)	239-43
191.	Saha GB	Radiopharmaceuticals for brain imaging	Semin Nucl Med	1994	24(4)	324-49
192.	Schaller C	Significance of factors contributing to surgical complications and to late outcome after elective surgery of cerebral arteriovenous malformations	J Neurol Neurosurg Psychiatry	1998	65(4)	547-54
193.	Schellong SM	Prostaglandin E1 in peripheral vascular disease: a PET study of muscular blood flow	Scand J Clin Lab Invest	1998	58	109-17
194.	Schiefer U	Cerebral activity during visual stimulation: a positron emission tomography and functional magnetic resonance imaging study	Ger J Ophthalmol	1996	5(2)	109-17
195.	Schumann P	Evaluation of the ratios of cerebral blood flow to cerebral blood volume as an index of local cerebral perfusion pressure	Brain	1998	121 (pt 10)	2027
196.	Schuster DP	Measurement of regional pulmonary blood flow with PET	J Nucl Med	1995	36	371-7
197.	Seki C	Application of a beta microprobe for quantification of regional cerebral blood flow with (15)O-water	Ann Nucl Med	1998	12(1)	7-14

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		and PET in rhesus monkeys				
198.	Senda M	A new subtraction method for obtaining myocardial perfusion images with oxygen-15 water and positron emission tomography	Ann Nucl Med	1988	2(2)	101-6
199.	Sercarz JA	Computer coregistration of positron emission tomography and magnetic resonance images in head and neck cancer	Am J Otolaryngol	1998	19(2)	130-5
200.	Sharples PM	A practical method of serial bedside measurement of cerebral blood flow and metabolism during neurointensive care	Arch Dis Child	1991	66(11)	1326-32
201.	Shishido F	Cerebral uptake of 99mTc-bicisate in patients with cerebrovascular disease in comparison with CBF and CMRO ₂ tomography	J Cereb Blood Flow Met	1994	14 Suppl 1	S66-75
202.	Sollevi A	Effect of adenosine on human cerebral blood flow as determined by positron emission tomography	J Cereb Blood Flow Metab	1987	7(6)	673-8
203.	Stephan H	Measurement of human cerebrovascular circulation. Comparison of Kety-Schmidt technique with the intravenous 133-xenon clearance technique	Anaesthetist	1996	45(11)	1030-6
204.	Stephan KM	Recovery from subcortical stroke-PET activation patterns in patients compared with healthy subjects	Adv Neuro	1997	73	311-20
205.	Stuart AG	The Kety Schmidt technique revisited: bedside measurement of cerebral blood flow and metabolism in children during and after cardiopulmonary bypass surgery	J Cardiothorac Anesth	1989	3(5 suppl 1)	
206.	Sugimori H	Can transcranial Doppler really detect reduced cerebral perfusion states?	Stroke	1995	26(11)	2053-60
207.	Takagi Y.	Improvement of oxygen metabolic reserve after	Acta	1997	139(1))	52-6

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		extracranial-intracranial bypass surgery in patients with sever haemodynamic insufficiency	Neurochiurgica			
208.	Taki W.	Cerebral circulation and oxygen metabolism in moyamoya disease of ischemic type in children	Childs Nerv Syst	1988	4(5)	259-62
209.	Tamminga CA	Images in Neuroscience	Am J Psychiatry	1995	152	
210.	Taniguchi H	Determination of the spleen-blood partition coefficient for water with oxygen-15-water and oxygen-15-carbon dioxide dynamic PET steady-state methods	J Nucl Med	1995	36	599-602
211.	Ter-Pogossian MM	Radioactive oxygen-15 in the study of cerebral blood flow, blood volume, and oxygen metabolism.	Semin Nucl Med	1985	15(4)	377-94
212.	Theodore WH	Effect of seizures on cerebral blood flow measured with ¹⁵ O-H ₂ O and positron emission tomography	Epilepsia	1996	37(8)	796-802
213.	Theodore WH	Positron emission tomographic measurement of cerebral blood flow and temporal lobectomy	Ann Neurol	1994	36(2)	241-4
214.	Tohgi H	Cerebral blood flow and oxygen metabolism in senile dementia of Alzheimer's type and vascular dementia with deep white matter changes	Neuroradiology	1998	40	131-7
215.	Tsuyuguchi N	Kinetic analysis of glucose metabolism by FDG-PET versus proliferation index of Ki-67 in meningiomas-comparison with gliomas	Osaka City Med J	1997	43(2)	209-23
216.	Tyler JL	Hemodynamic and metabolic effects of cerebral arteriovenous malformations studied by positron emission tomography	Stroke	1989	20	890-8
217.	Uemura K	Blood flow control and positron emission tomography (PET) of the brain	Jpn Circ J	1989	53(5)	424-30
218.	Van den Hoff	Accurate local blood flow measurements with	J Nucl Med	1993	34(10)	1770-7

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		dynamic PET: fast determination of input function delay and dispersion by multilinear minimization				
219.	Van Naemen J	Production, automatic delivery and bolus injection of [¹⁵ O]water for positron emission tomography studies.	Nucl Med Biol	1996	23(4)	413-6
220.	Videen TO	Brain blood volume, flow, and oxygen utilization measured with ¹⁵ O radiotracers and positron emission tomography: revised metabolic computations	J Cereb Blood Flow Metab	1987	7(4)	513-6
221.	Vinas FC	[¹⁵ O]-water PET and intraoperative brain mapping: a comparison in the localization of eloquent cortex	Neuro Res	1997	19(6)	601-8
222.	Vlasenko A	Comparative quantitation of cerebral blood volume: SPECT versus PET	J Nucl Med	1997	38(6)	919-24
223.	Volpe J	Positron emission tomography in the newborn: extensive impairment of regional cerebral blood flow with intraventricular hemorrhage and hemorrhagic intracerebral involvement	Pediatrics	1983	72(5)	589-601
224.	Walsh MN	Delineation of impaired regional myocardial perfusion by positron emission tomography with H ₂ ¹⁵ O.	Circulation	1988	78(3)	612-20
225.	Wilson CB	Measurements of blood flow and exchanging water space in breast tumors using positron emission tomography: a rapid and noninvasive dynamic method	Cancer Res	1992	52	1592-97
226.	Yamaji S	Changes in cerebral blood flow and oxygen metabolism related to magnetic resonance imaging white matter hyperintensities in Alzheimer's	J Nucl Med	1997	38(9)	1471-4

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227.	Yamauchi H.	Evidence of misery perfusion and risk of recurrent stroke in major cerebral arterial occlusive disease from PET.	J Neuro	1996	61(1)	18-25
228.	Yamauchi H.	Significance of low perfusion with increased oxygen Extraction fraction in a case of internal carotid artery stenosis.	Stoke	1992	23(3)	431-2
229.	Yokoi T	A new approach of weighted integration technique based on accumulated images using dynamic PET and H ₂ (15)O	J Cereb Blood Flow Metab	1991	11(3)	492-501
230.	Yokoi T	A fast technique to estimate local cerebral blood flow and partition coefficient using dynamic PET of H(2)15O: a new approach to weighted integration method based on time integration of Kety-Schmidt equation	Kaku Igaku	1990	27(3)	273-7
231.	Yokoi T.	A new graphic plot analysis for cerebral blood flow and partition coefficient with iodien-124-iodoamphetamine and dynamic SPECT validation studies using oxygen-15-water	J Nucl Med	1993	34(3)	498-505
232.	Yonekura Y.	SPECT with [99mTc]-d,1-hexamethyl-propylene amine oxime (HM-PAO) compared with regional cerebral blood flow measured by PET: effects of linearization	J Cereb Blood Flow Met	1988	8(6)	S82-9
233.	Young AR	Relationships between high oxygen extraction fraction in the acute stage and final infarction in reversible middle cerebral artery occlusion: an investigation in anesthetized baboons with positron emission tomography	J Cereb Blood Flow Metab	1996	16(6)	1176-88

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234.	Yue NC	Advances in brain tumor imaging	Curr Opinion Neuro	1993	6(6)	831-40
235.	Yundt KD	Cerebral hemodynamic and metabolic changes caused by brain retraction after aneurysmal subarachnoid hemorrhage	Neurosurg	1997	40(3)	442-50
236.		Water O 15 Systemic	USP DI	1998		